

**Prior Art**

100

**Figure 1**

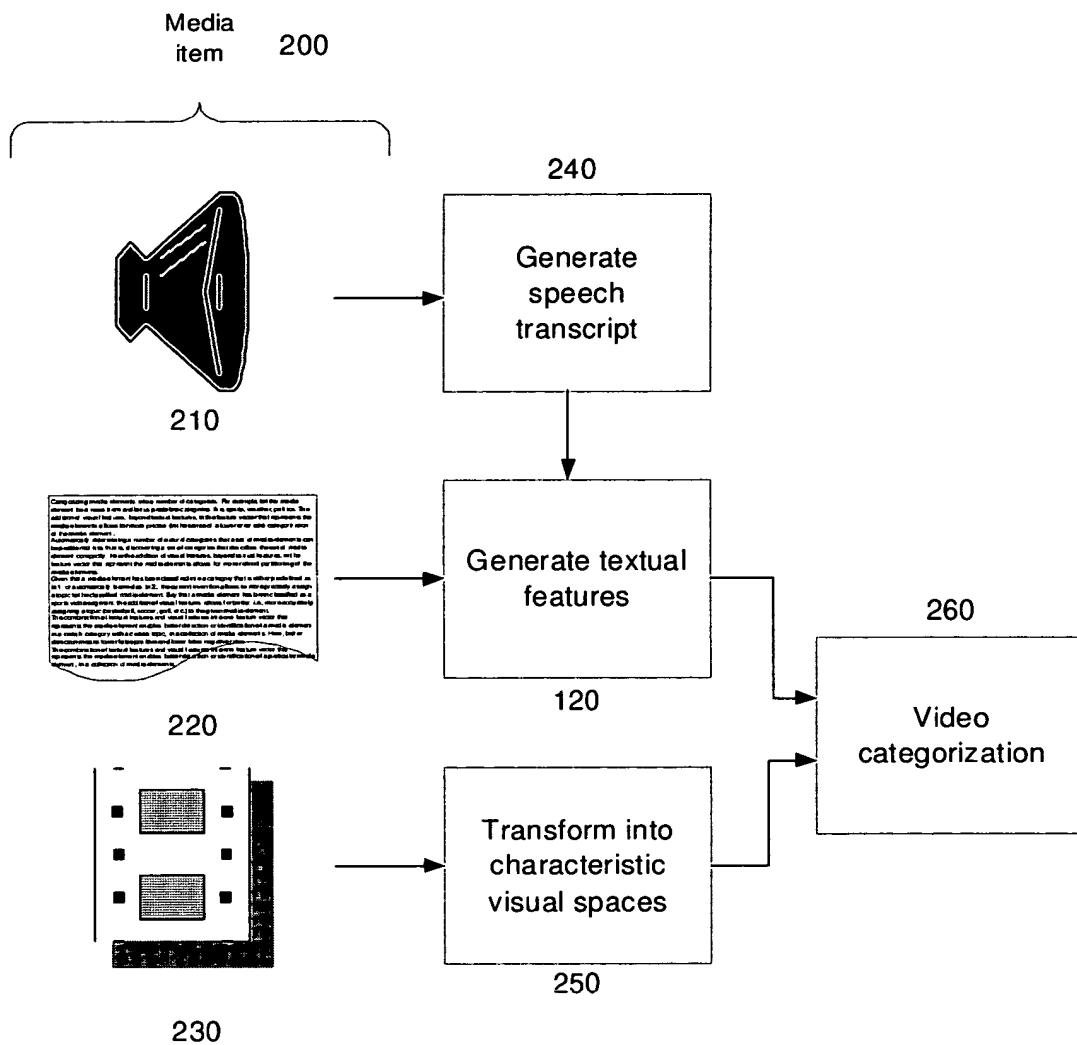


Figure 2

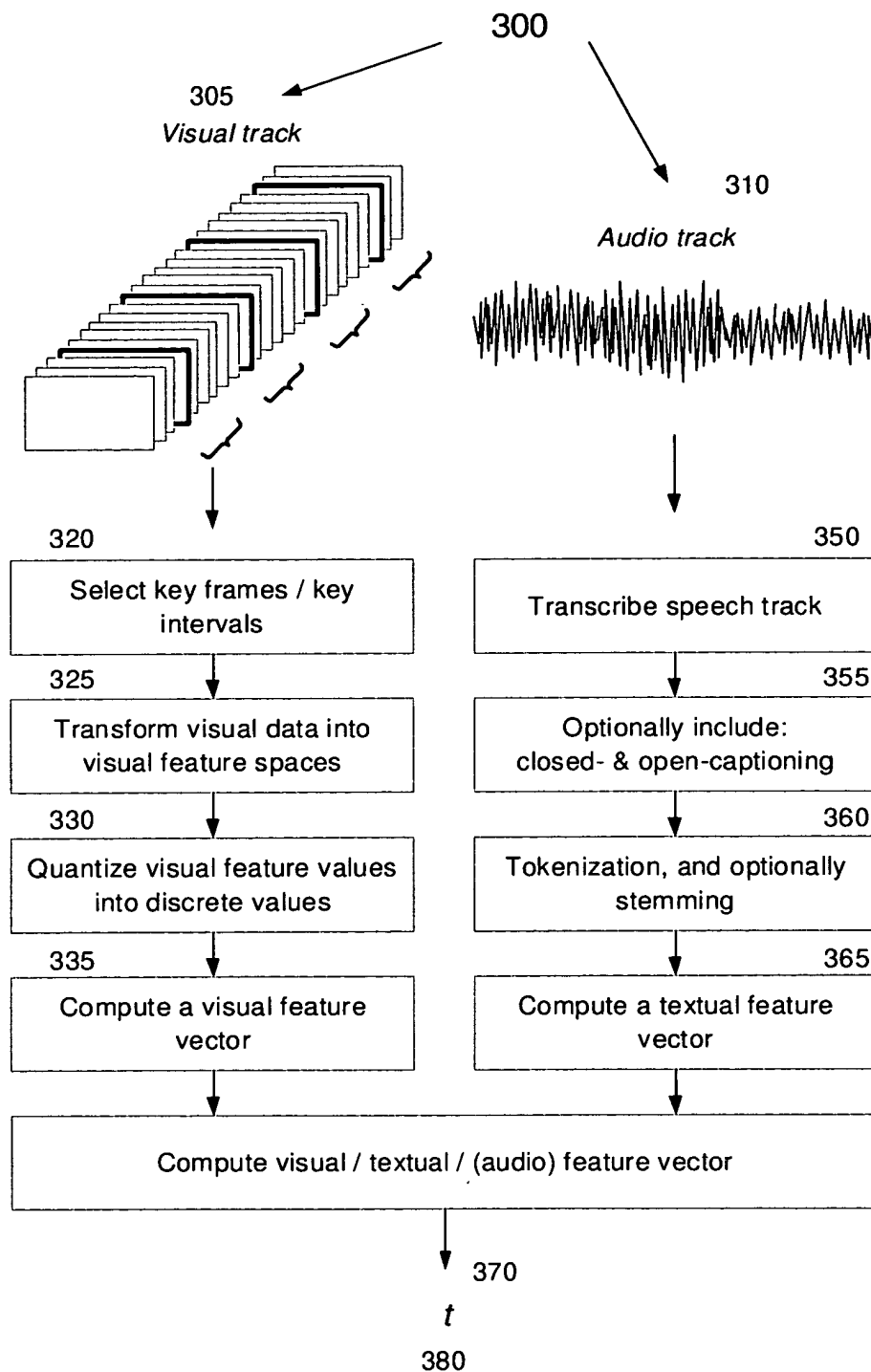


Figure 3

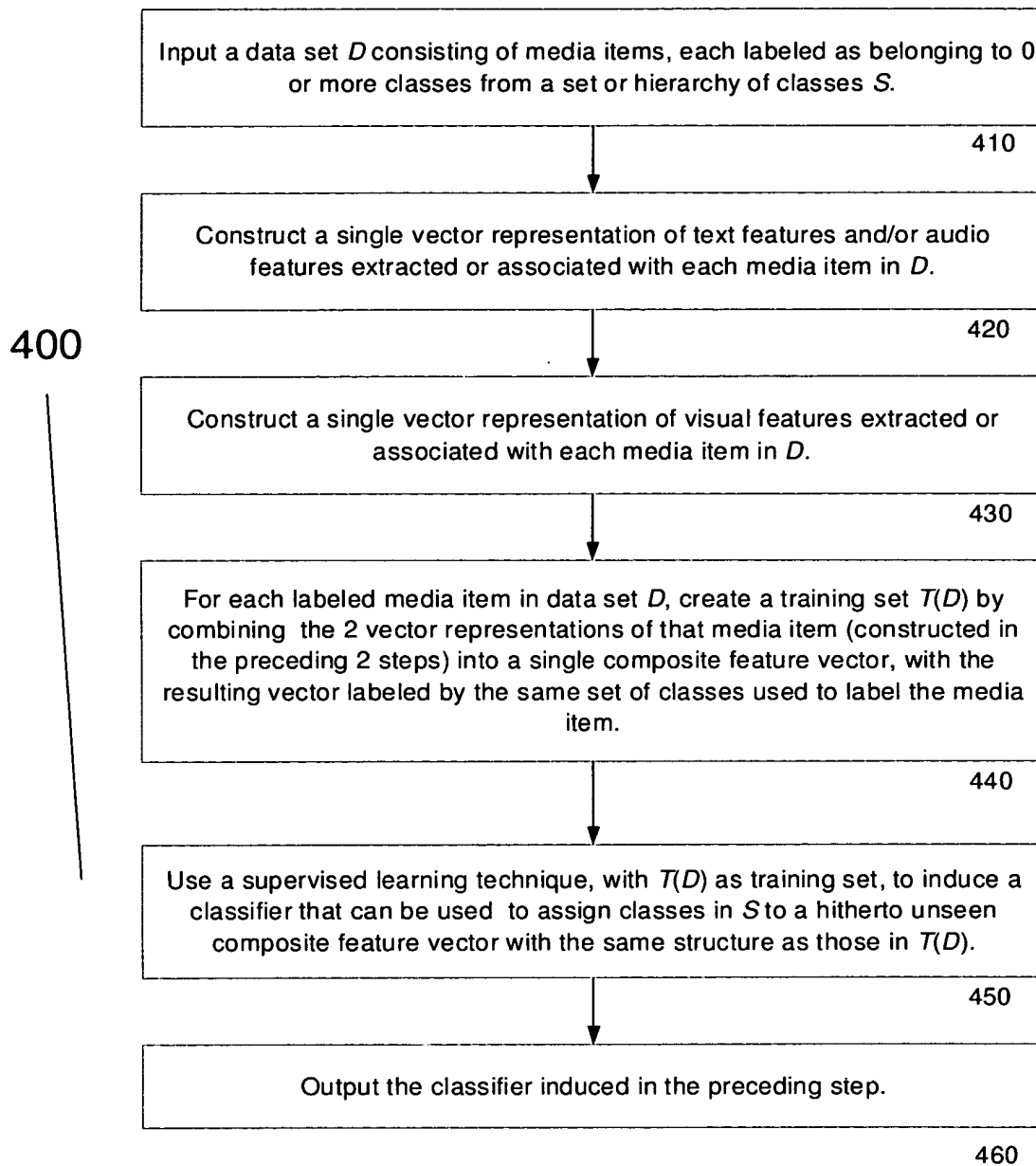


Figure 4

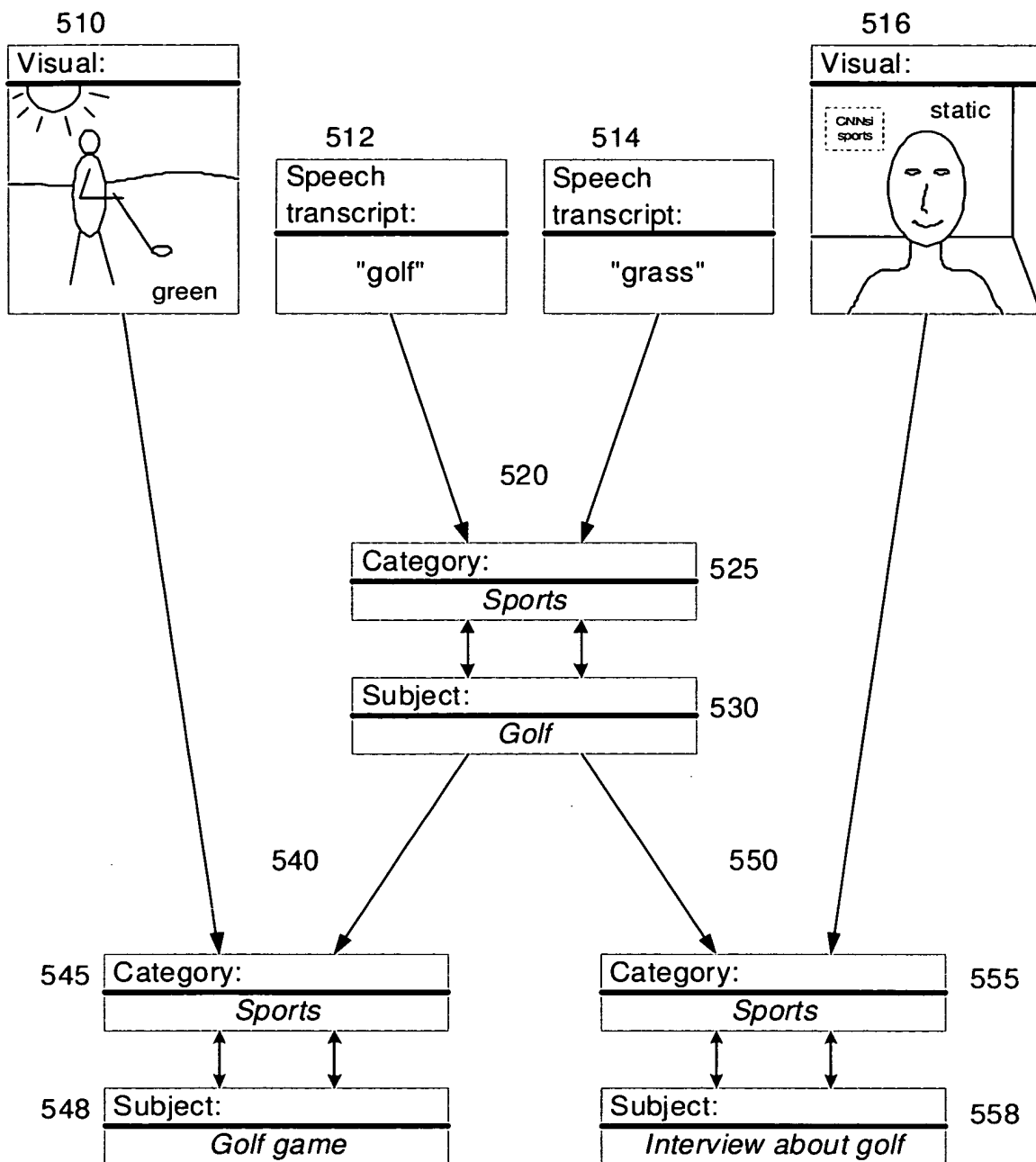
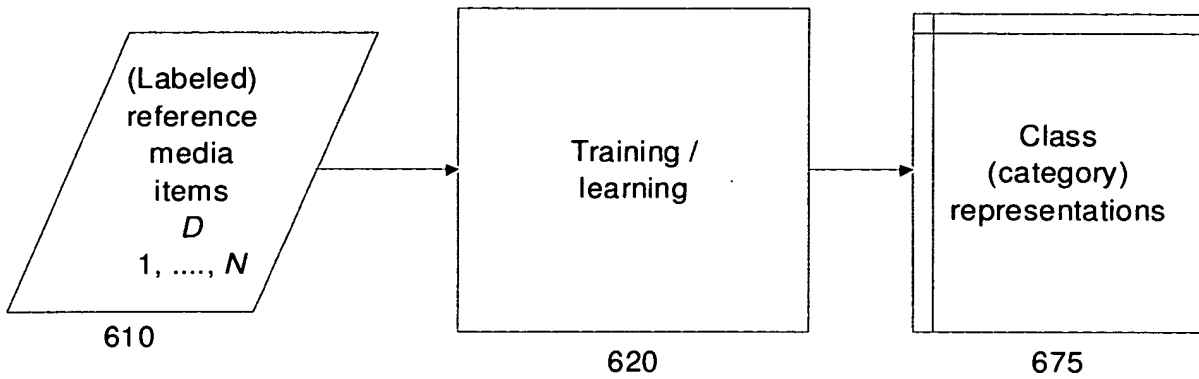
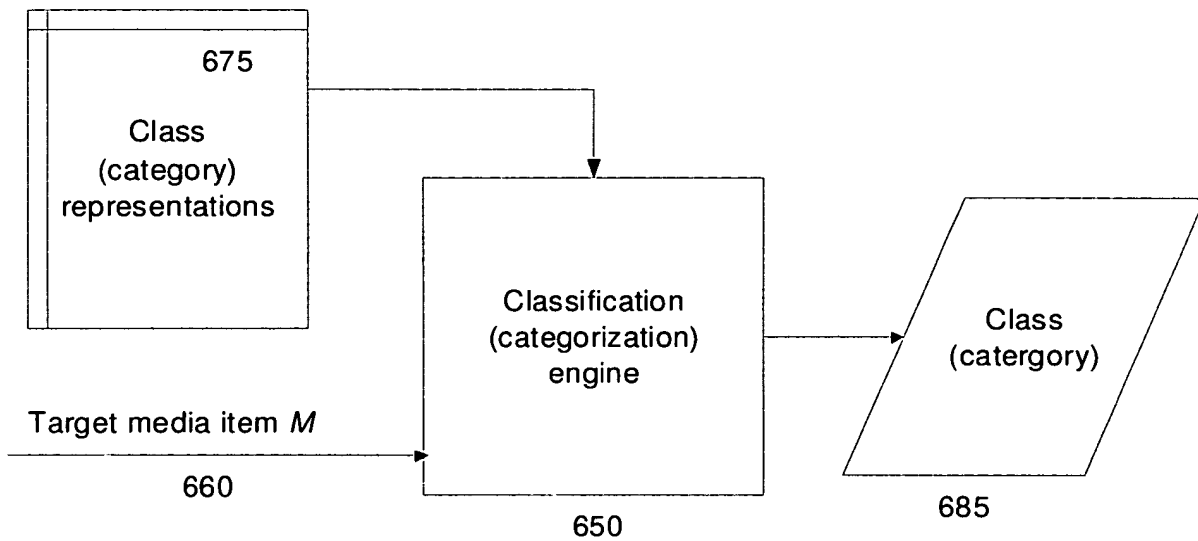


Figure 5



Training / learning phase **610**

**A**



Classification phase **615**

**B**

**Figure 6**

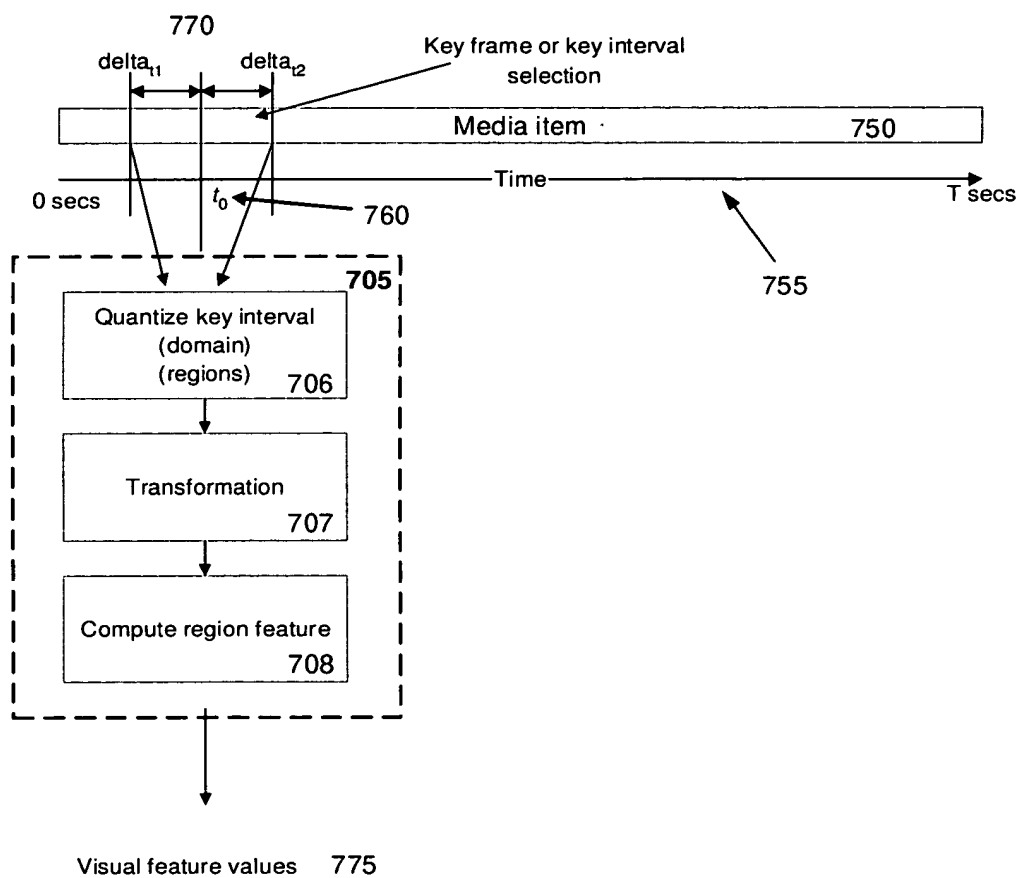


Figure 7A

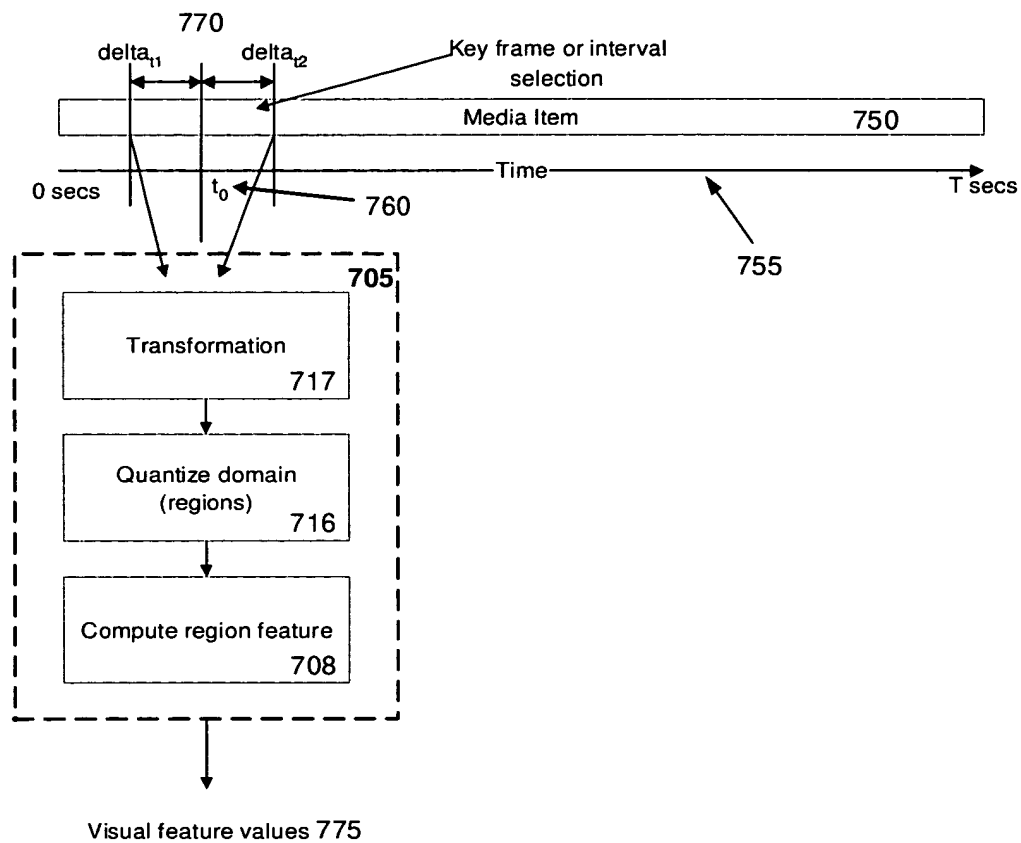
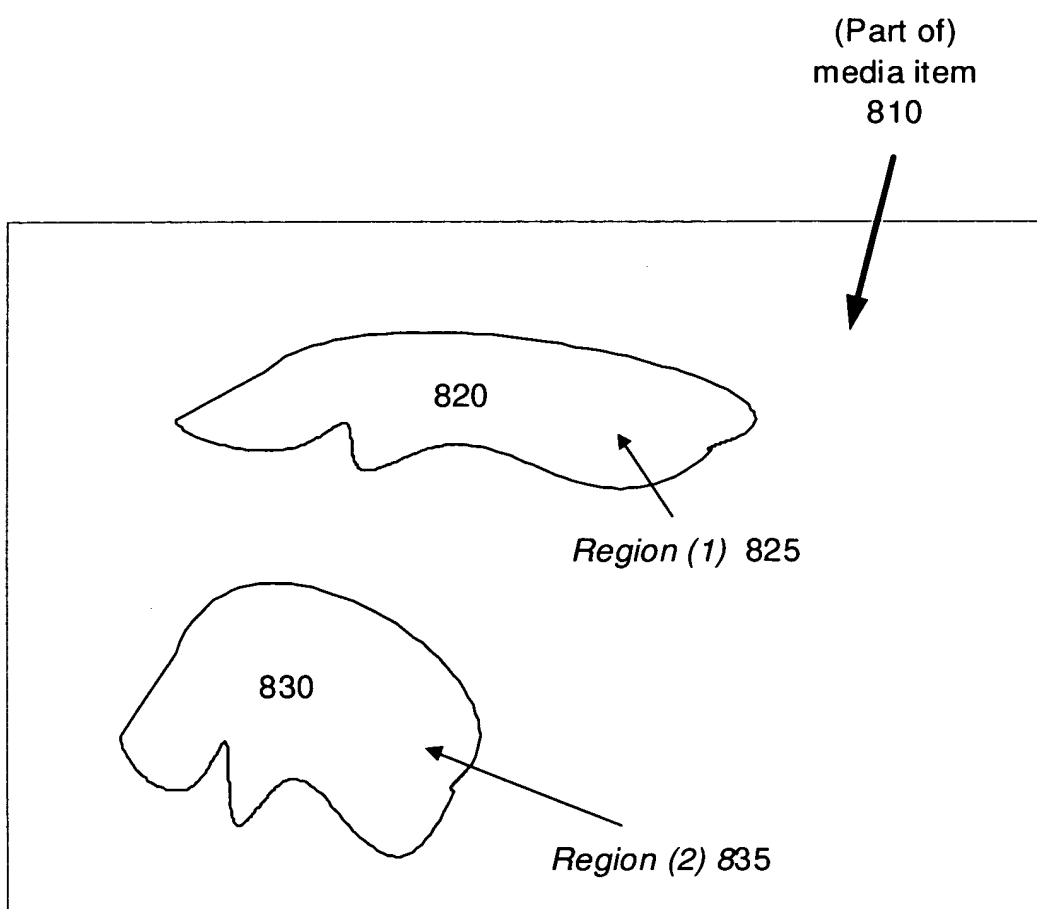


Figure 7B





**Figure 8**

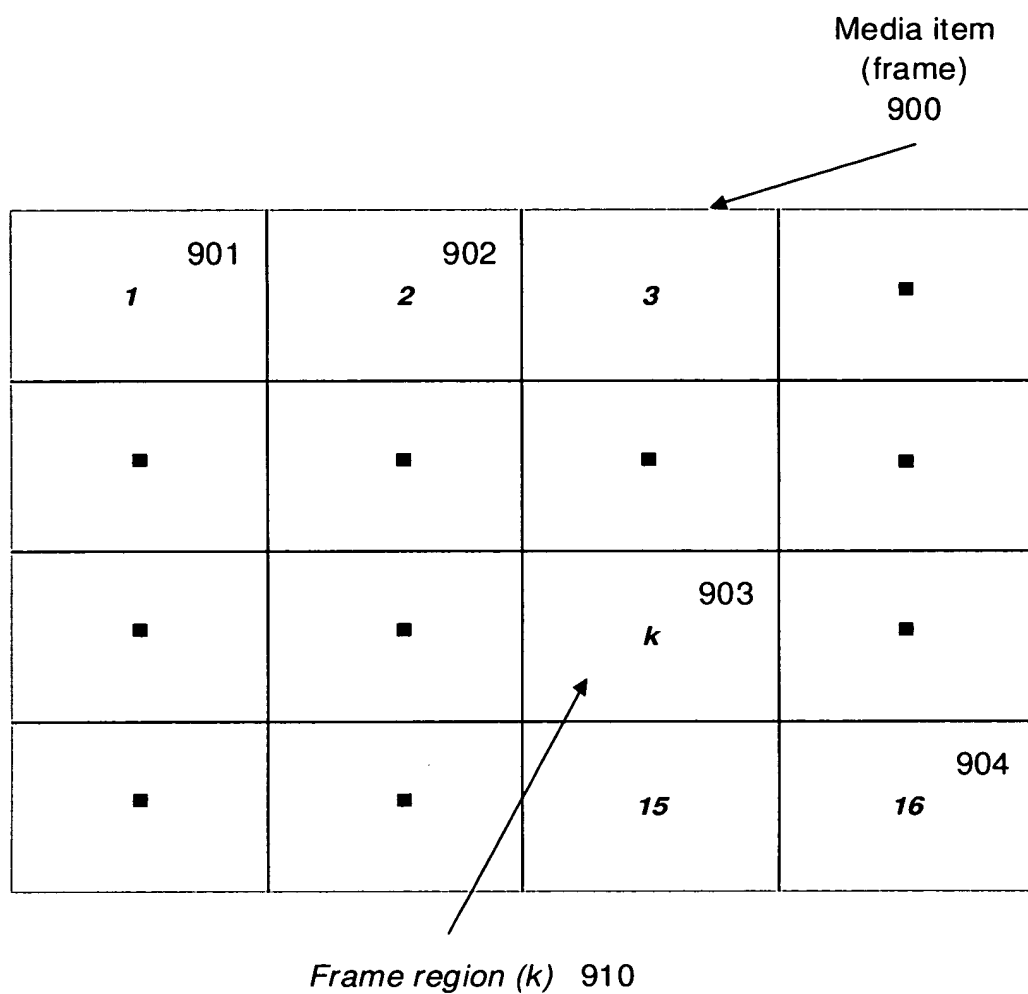
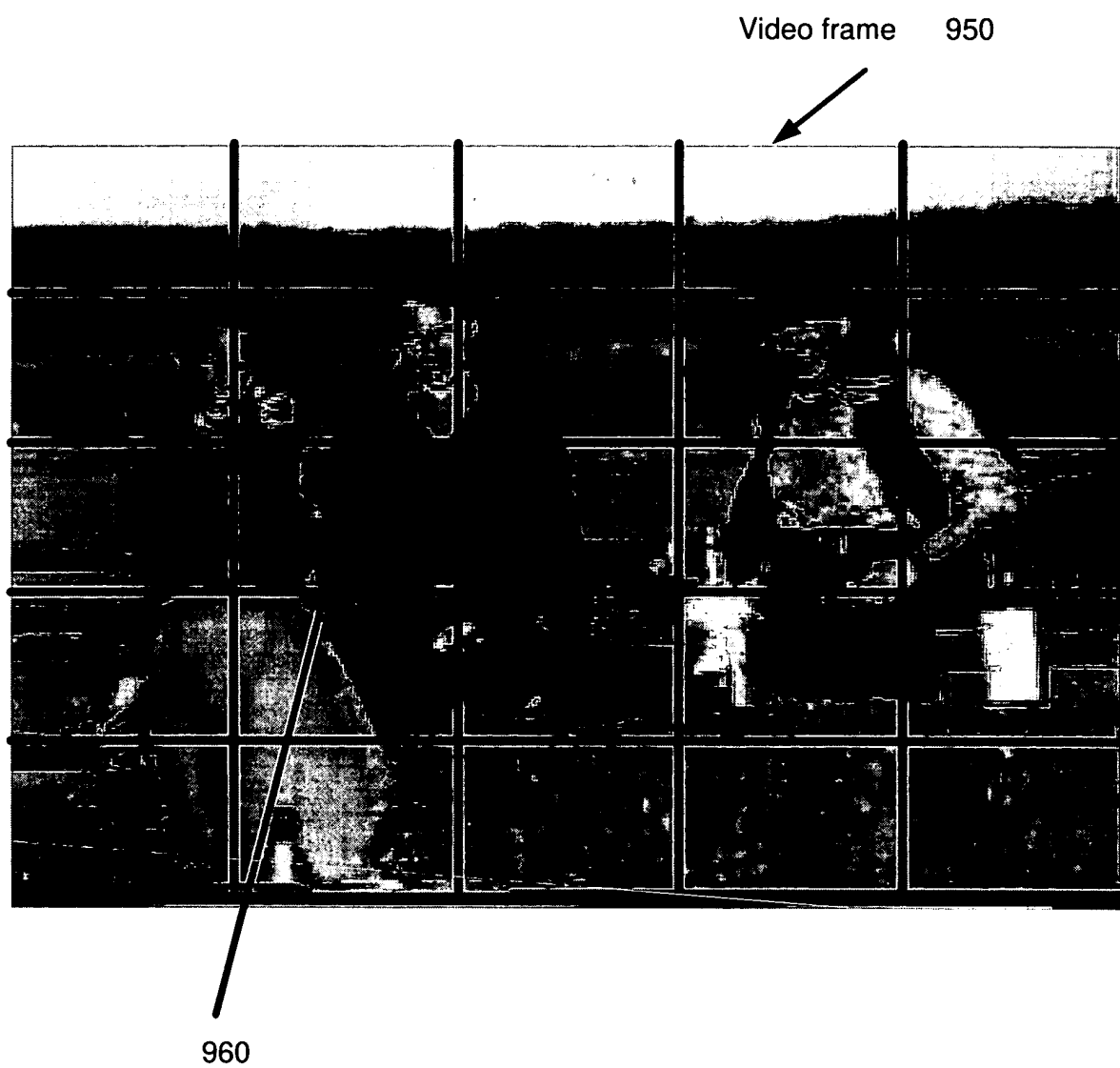
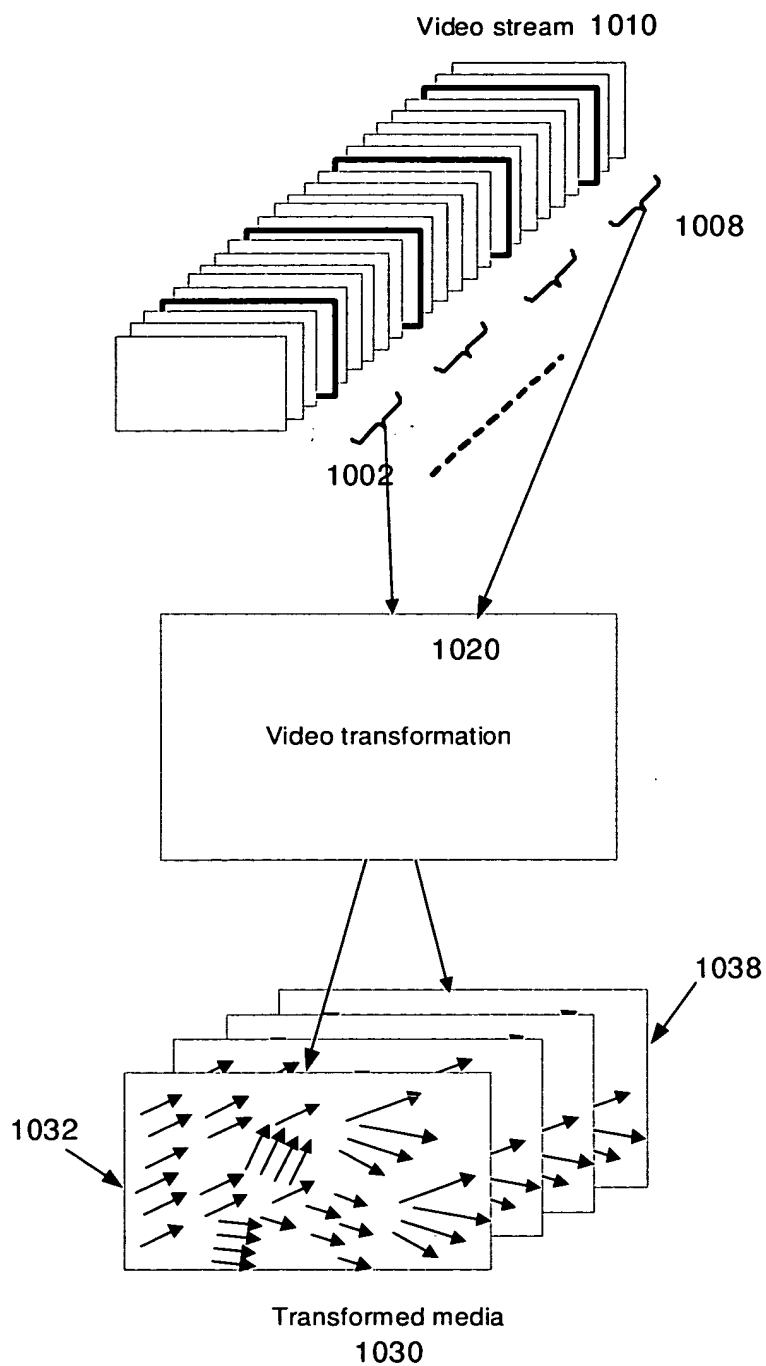


Figure 9

09883415-061801



**Figure 9A**



**Figure 10**

0983415-061801

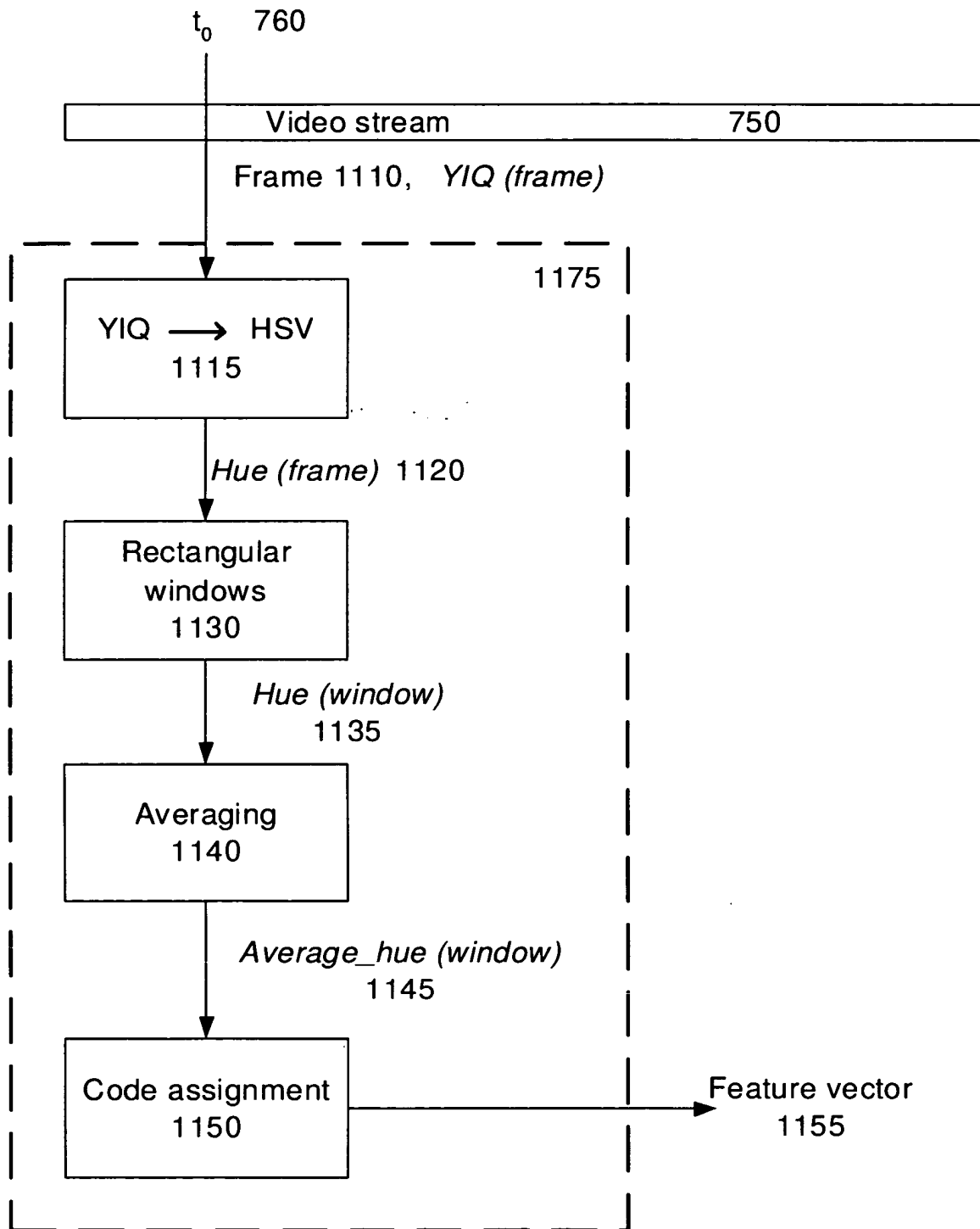


Figure 11A

**Hue quantization** (1 180)

<i>Color range</i>			<i>Code</i>	<i>Color</i>	
330 -	30	degrees	0	Red	<b>(1170)</b>
30 -	90	degrees	1	Yellow	<b>(1171)</b>
90 -	150	degrees	2	Green	<b>(1172)</b>
150 -	210	degrees	3	Cyan	<b>(1173)</b>
210 -	270	degrees	4	Blue	<b>(1174)</b>
270 -	330	degrees	5	Magenta	<b>(1175)</b>

**Figure 11B**

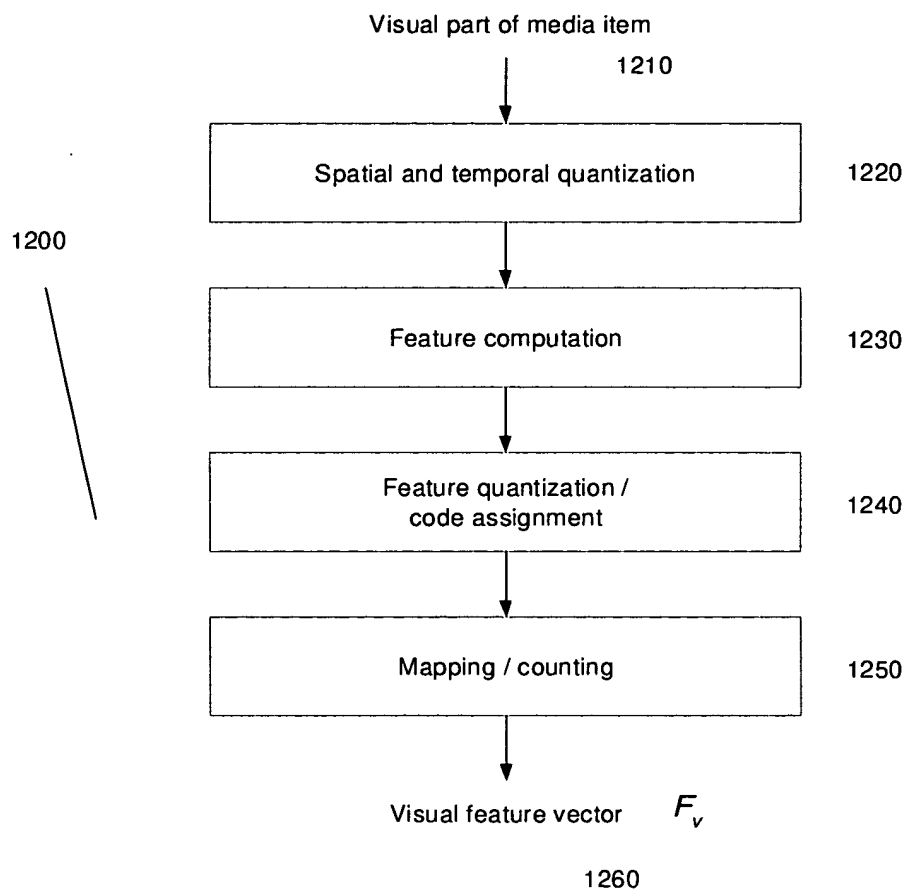


Figure 12

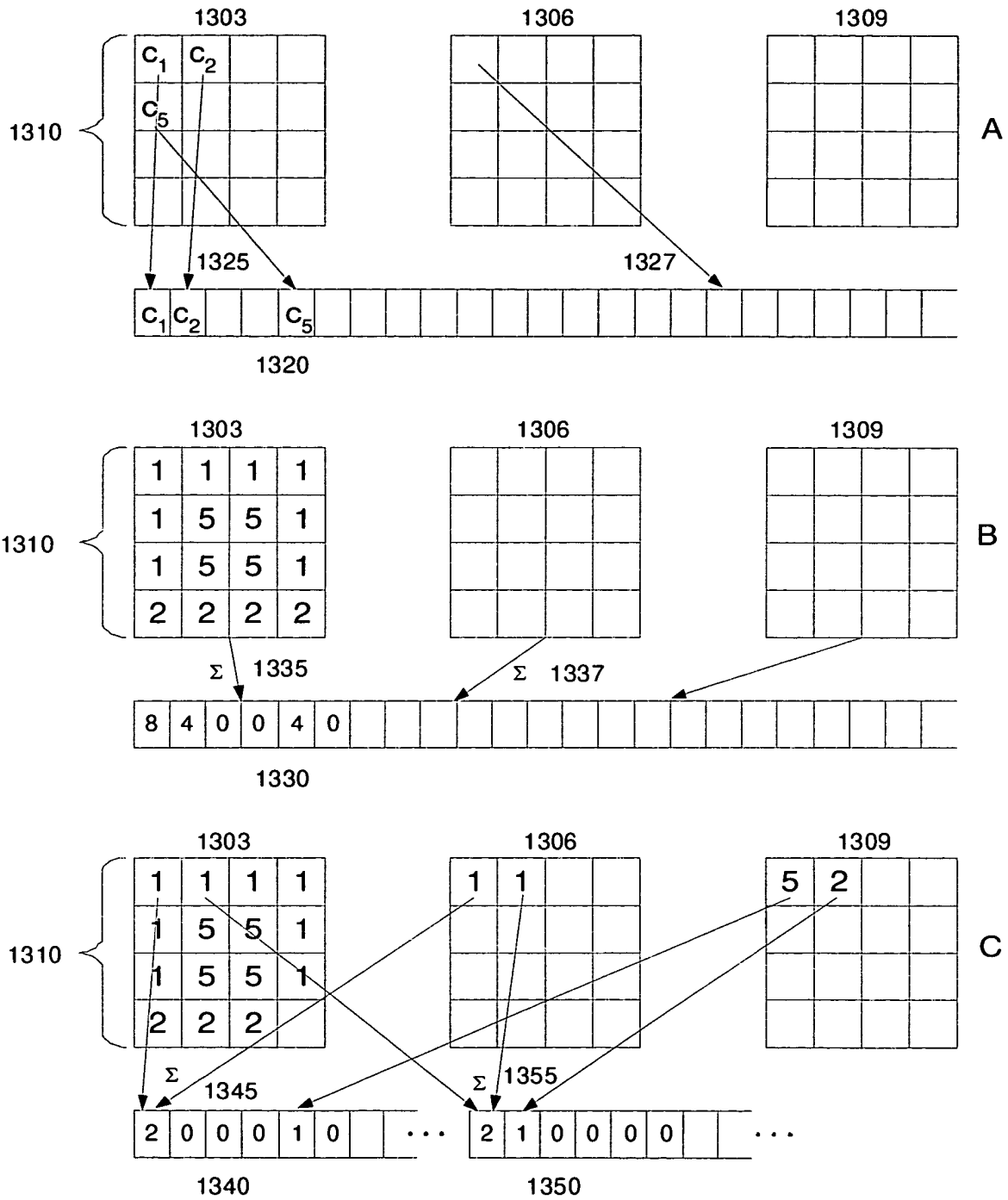
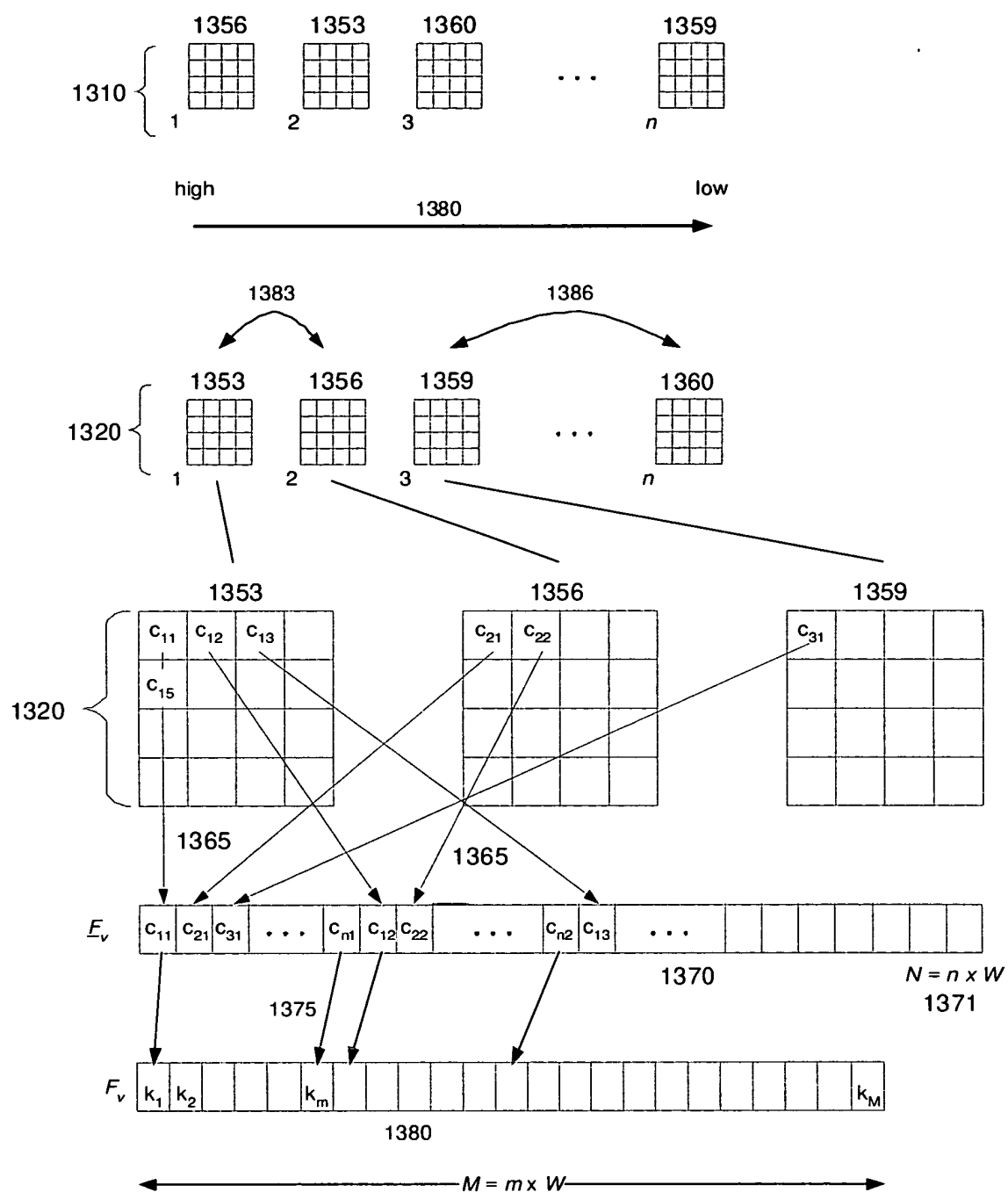


Figure 13





**Figure 13D**

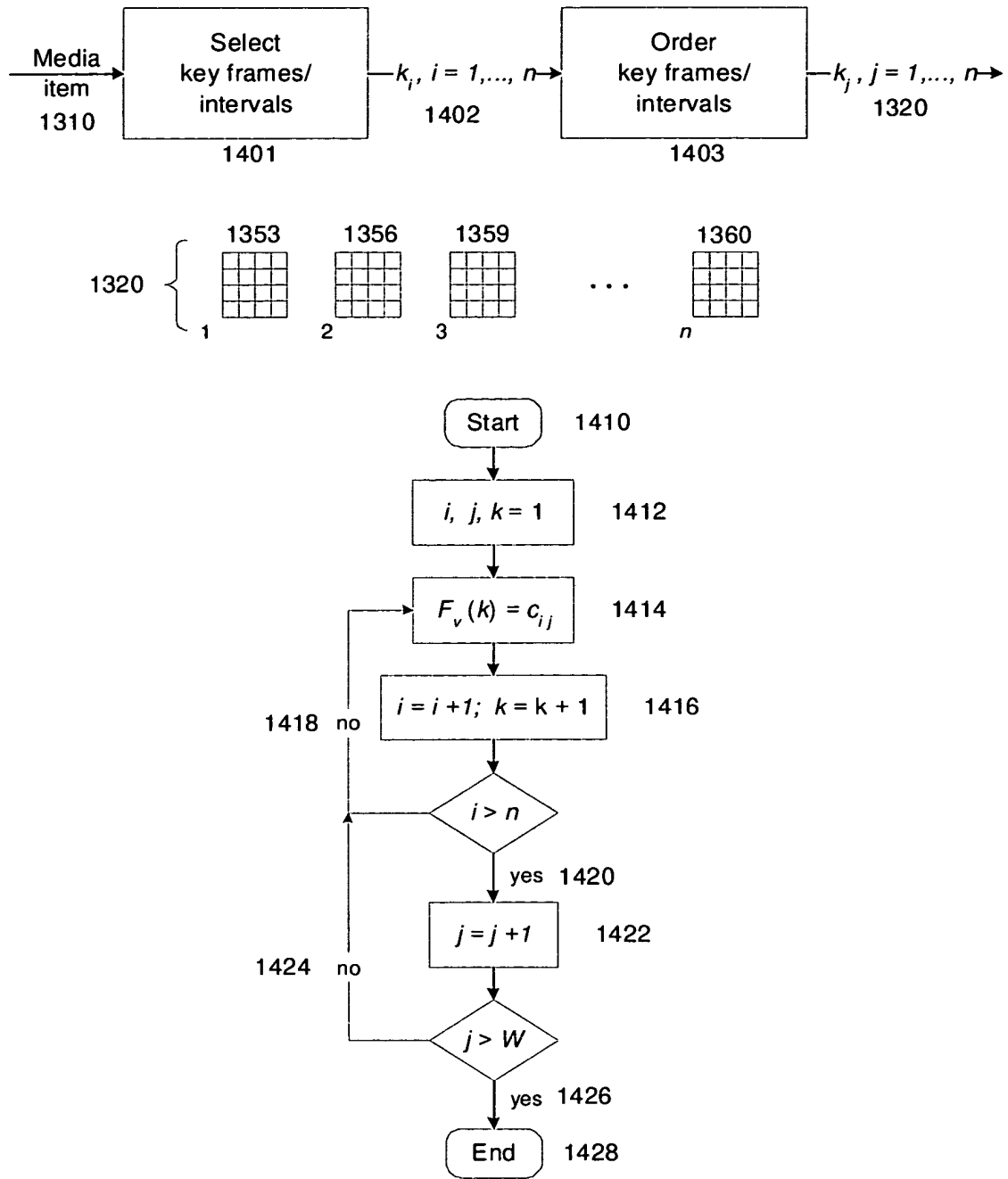


Figure 14A

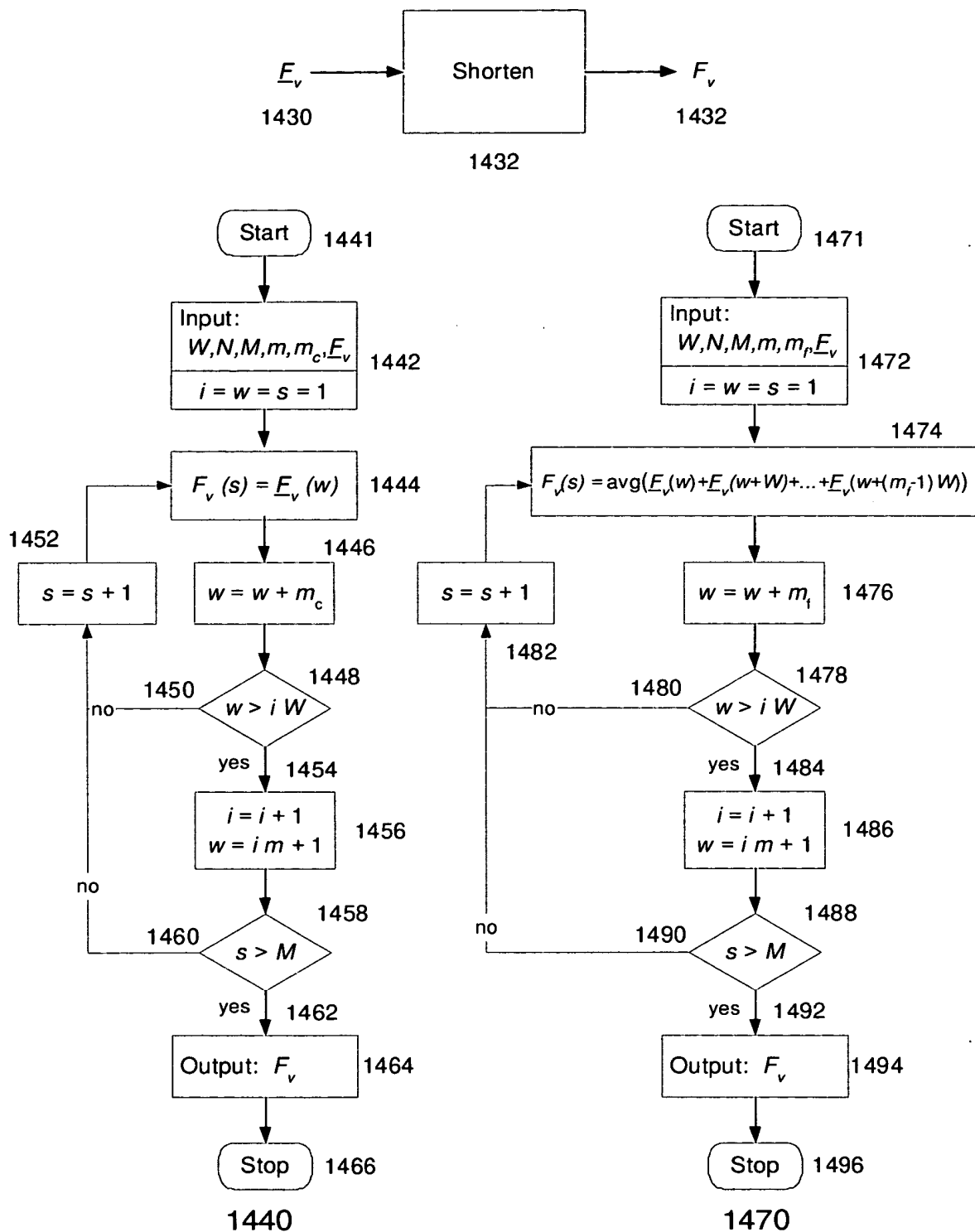


Figure 14B

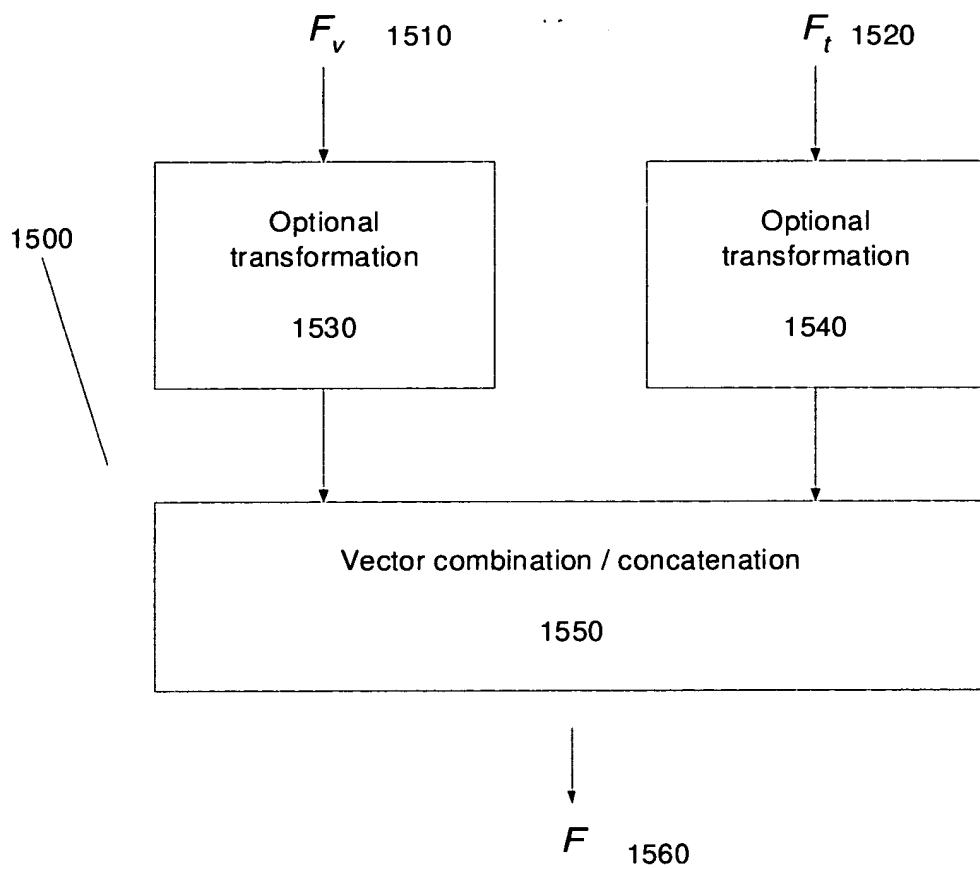


Figure 15

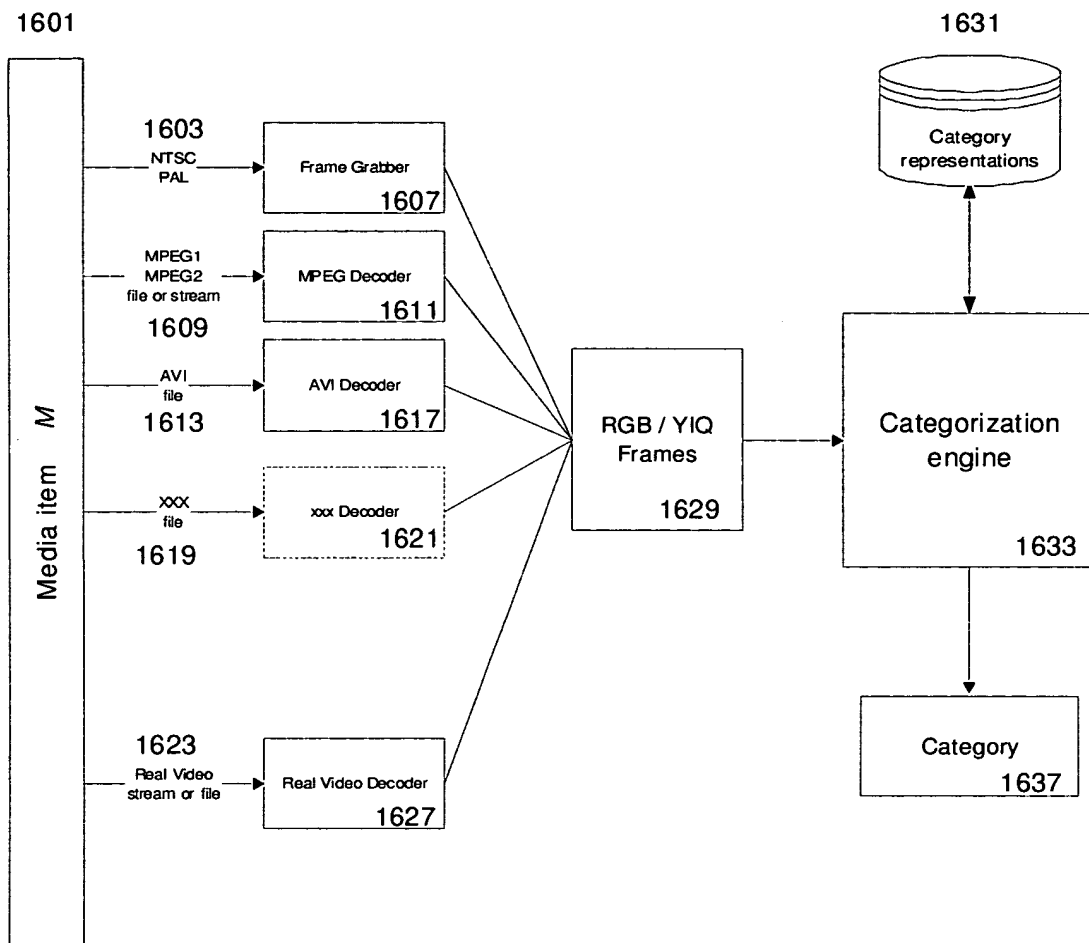


Figure 16

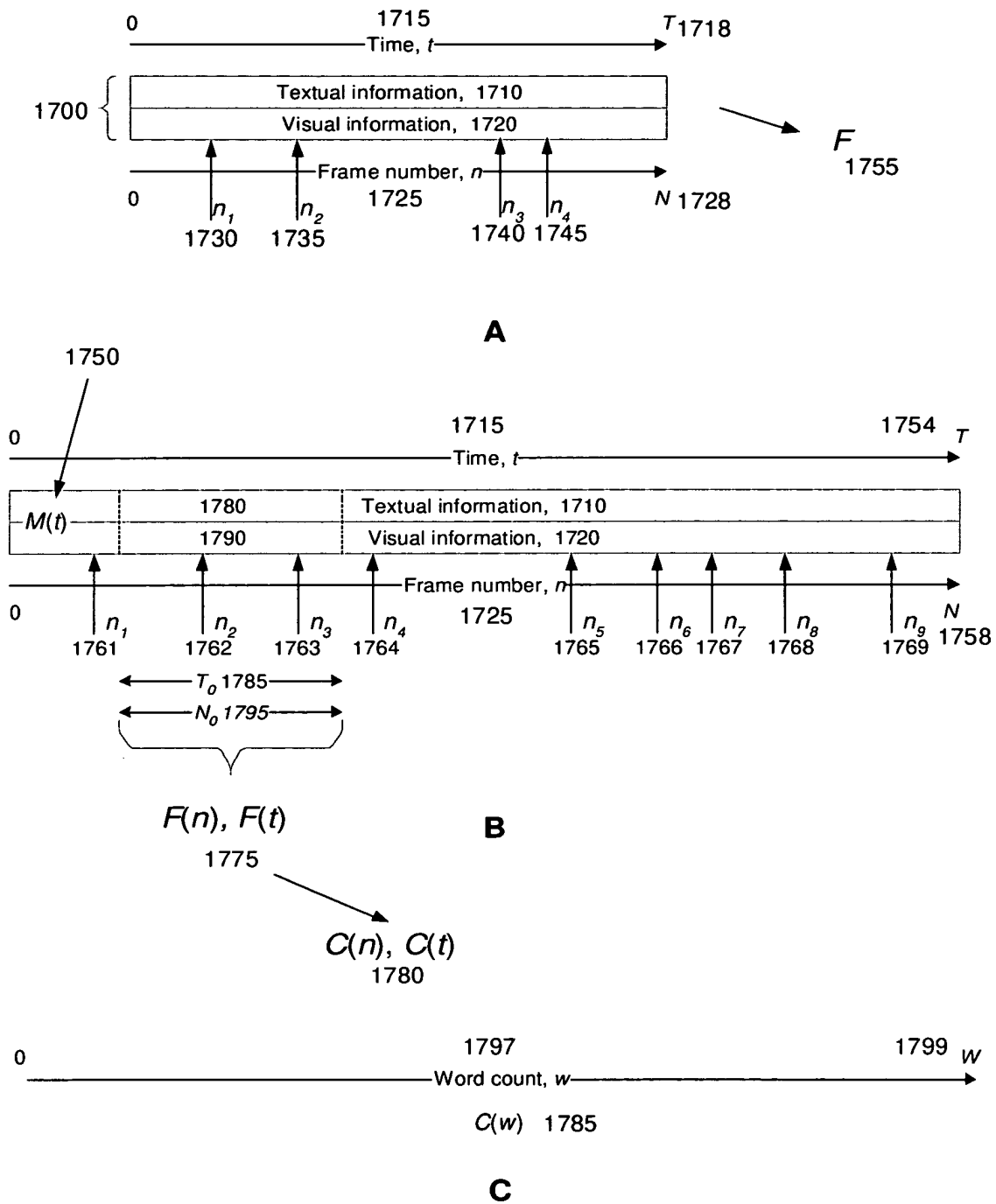


Figure 17

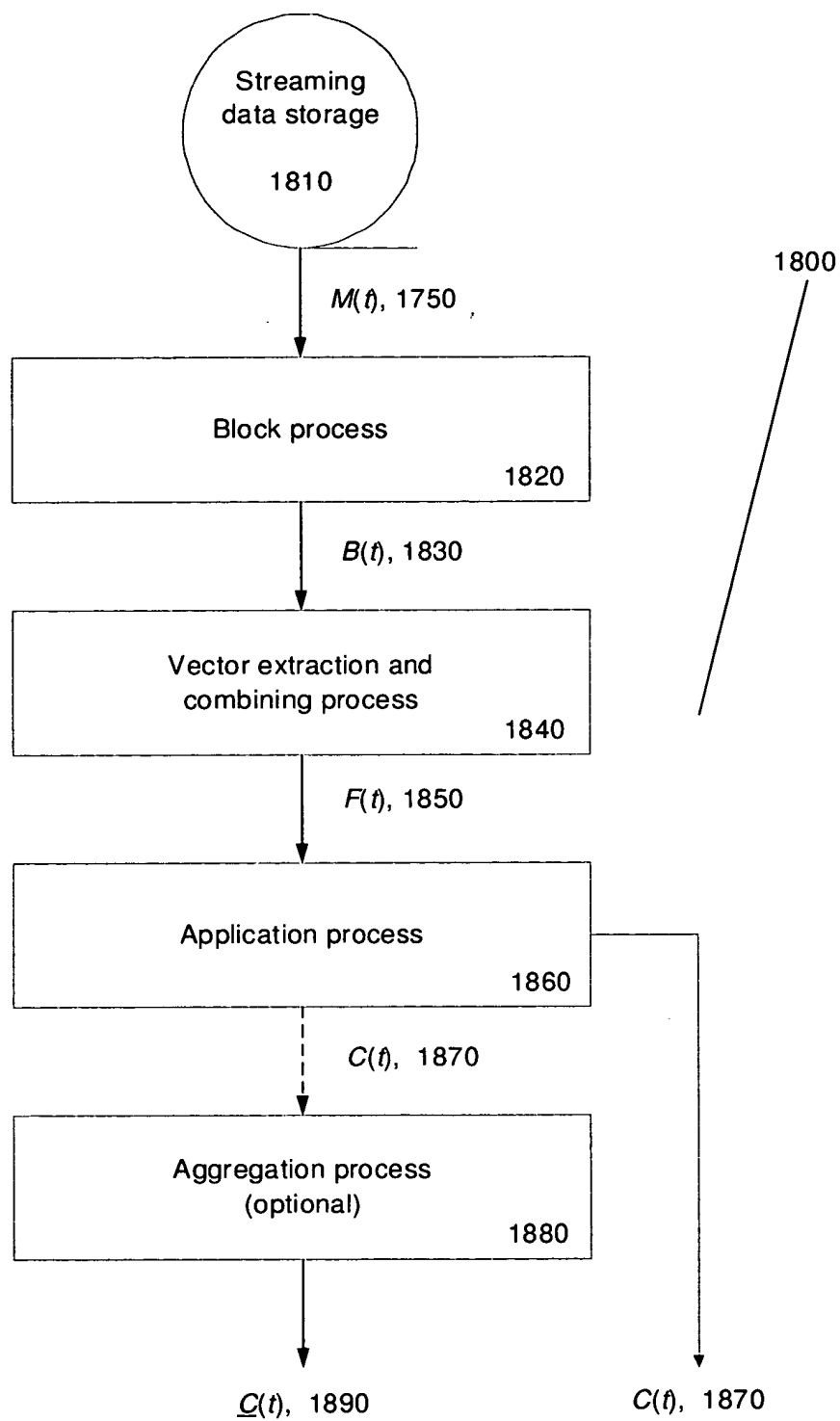


Figure 18

Category  $C_i$

1900

1910 US President  $C_1$

1915 European Union  $C_2$

1920 weath-er  $C_3$

1925 Free trade  $C_4$

Crime in the cities  $C_5$

1930 Baseball league  $C_6$

1905

0

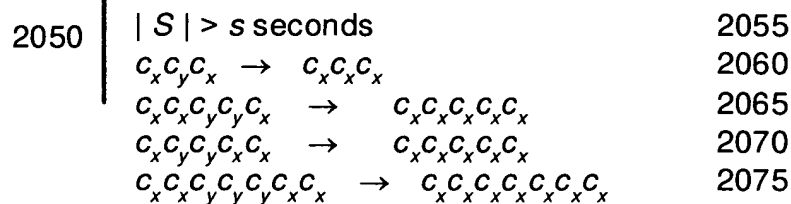
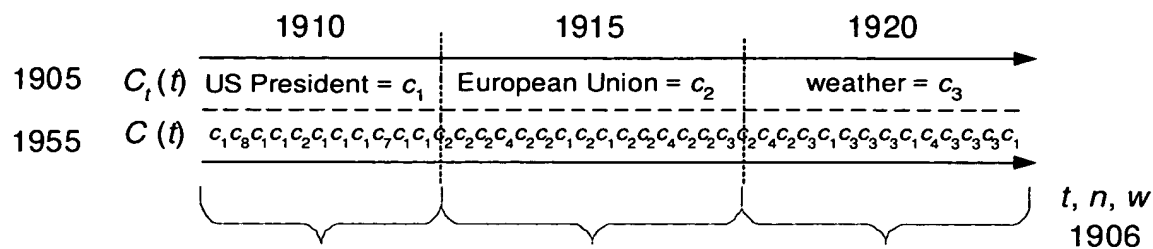
$t, n, w$

1906

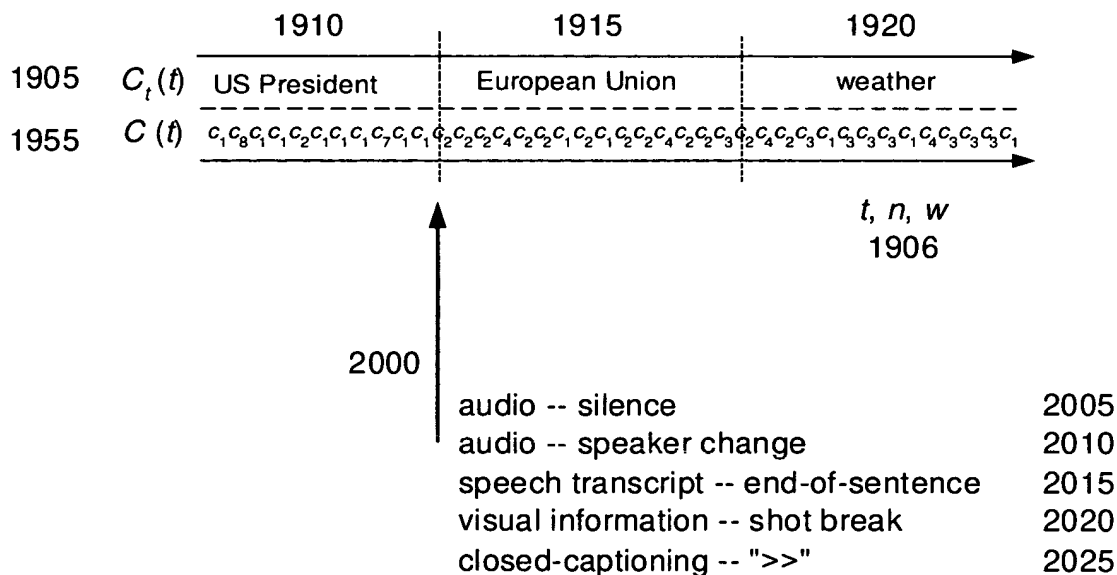
1903



090315-061301  
TOP SECRET//SI//NF



A



B

Figure 20

FIG. 21

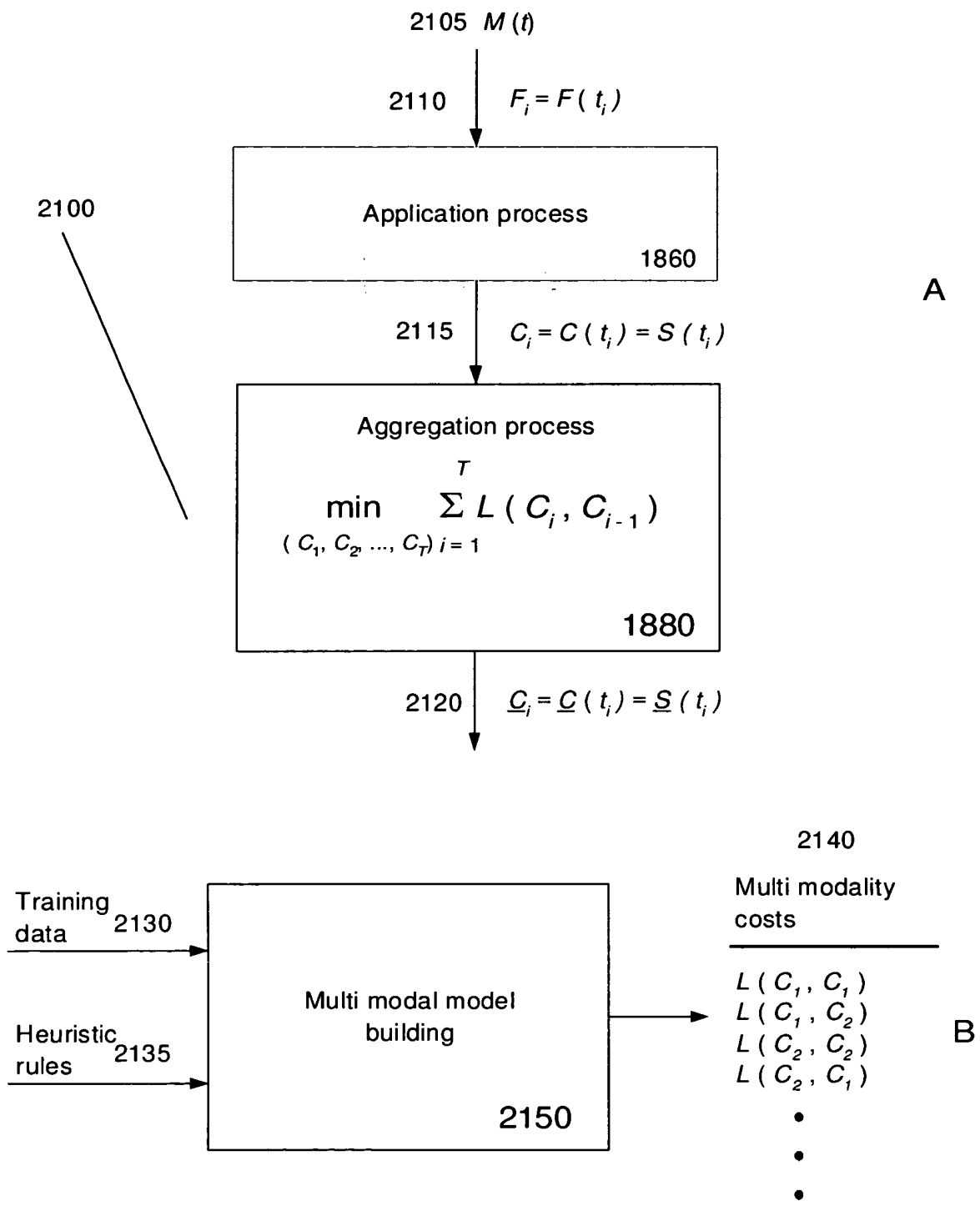


Figure 21

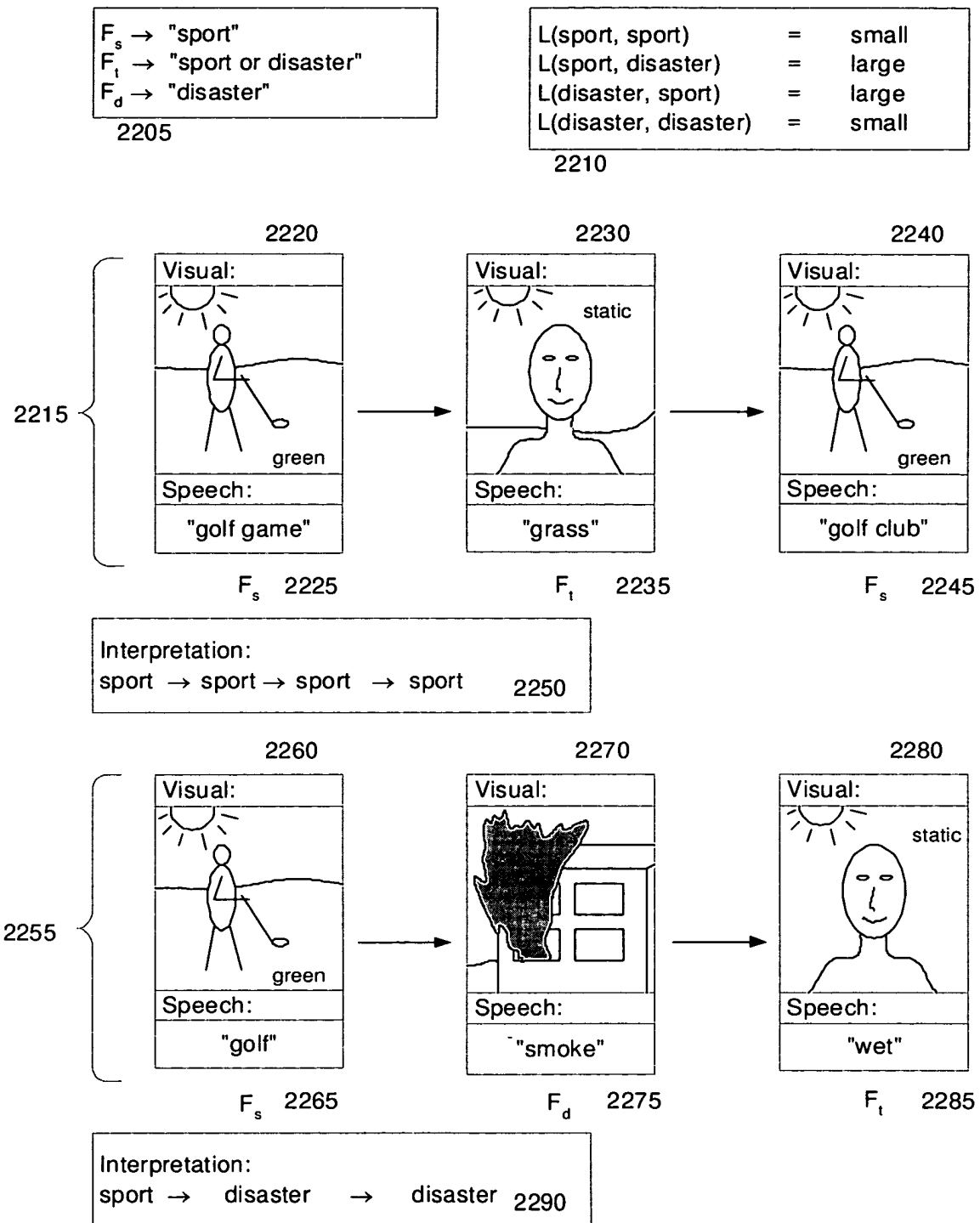


Figure 22

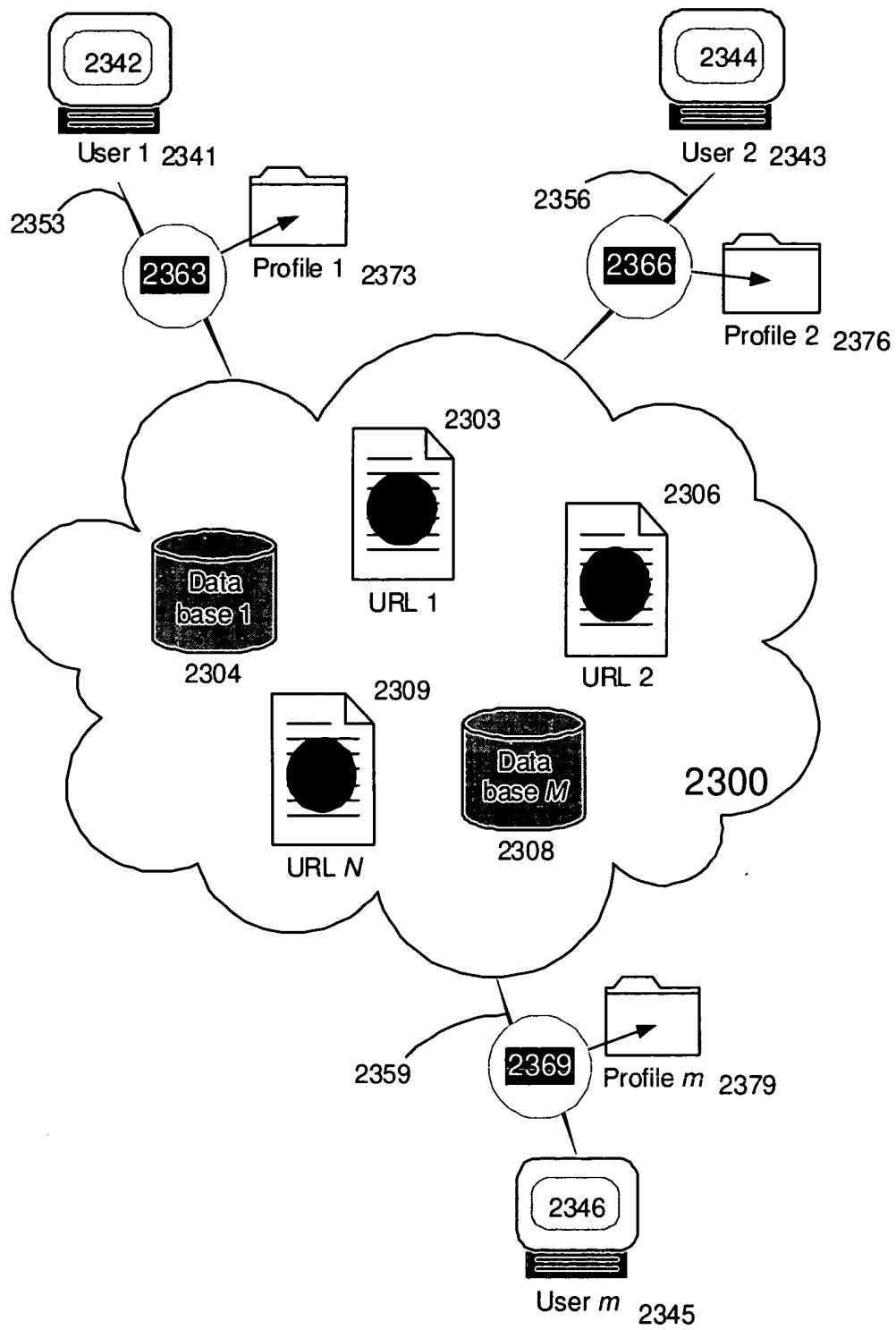


Figure 23

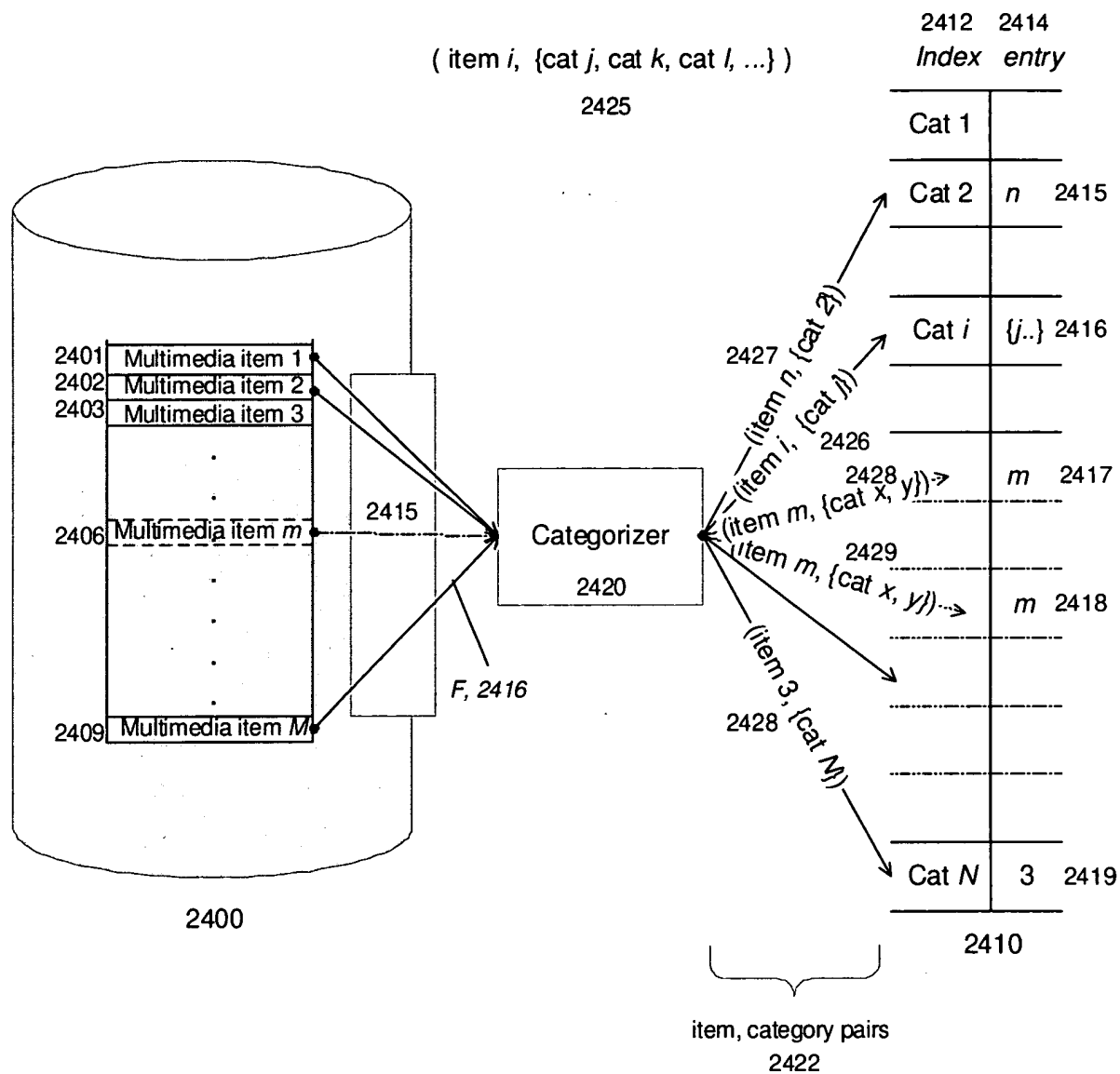


Figure 24A

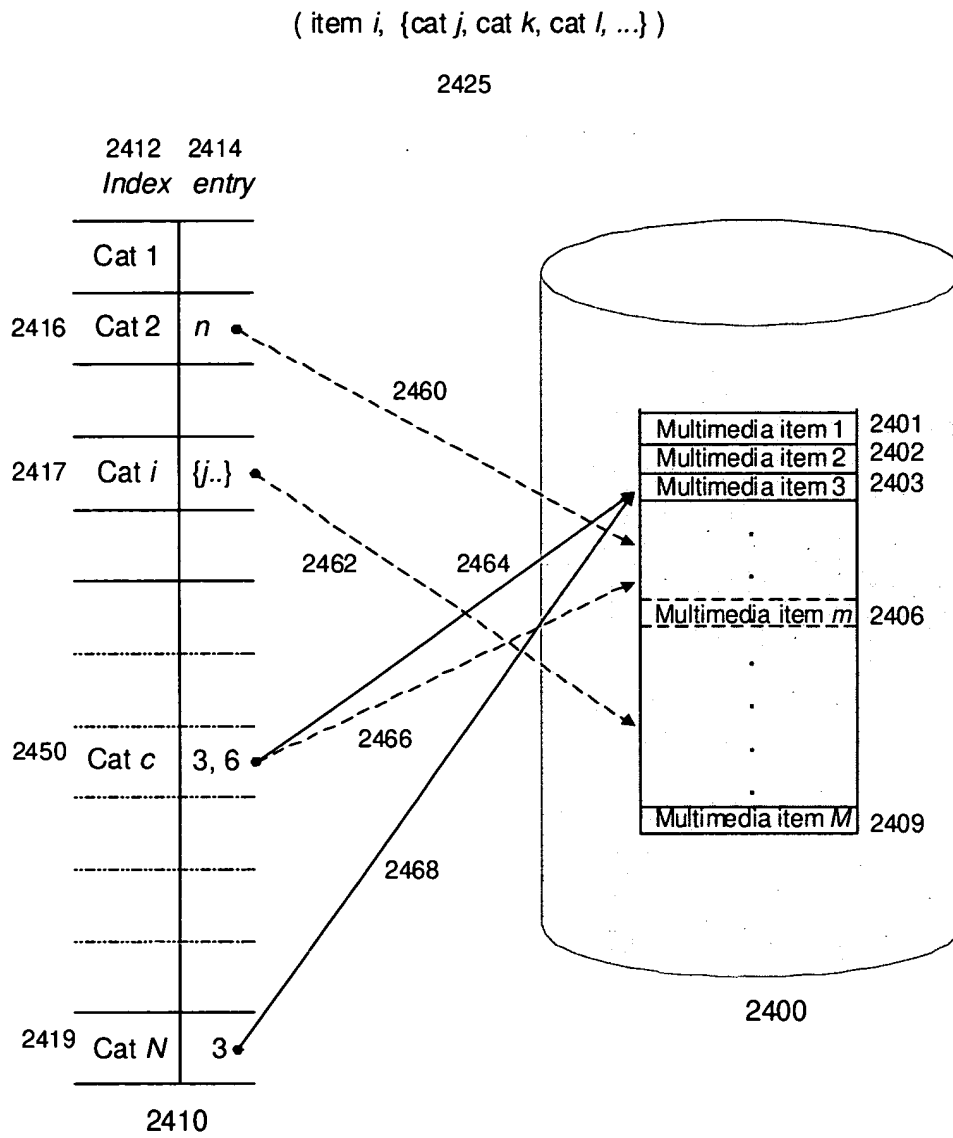
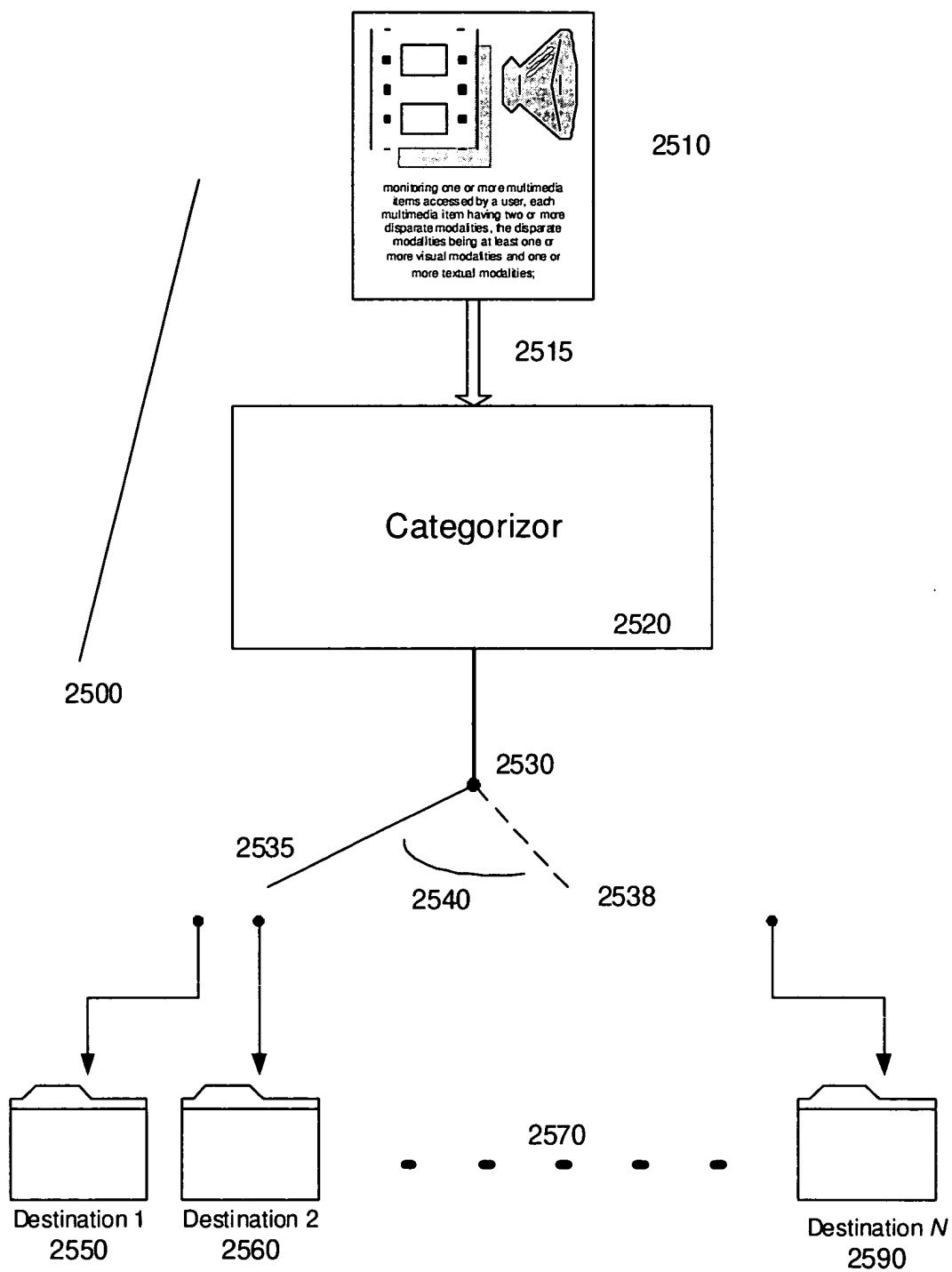


Figure 24B



**Figure 25**

2600

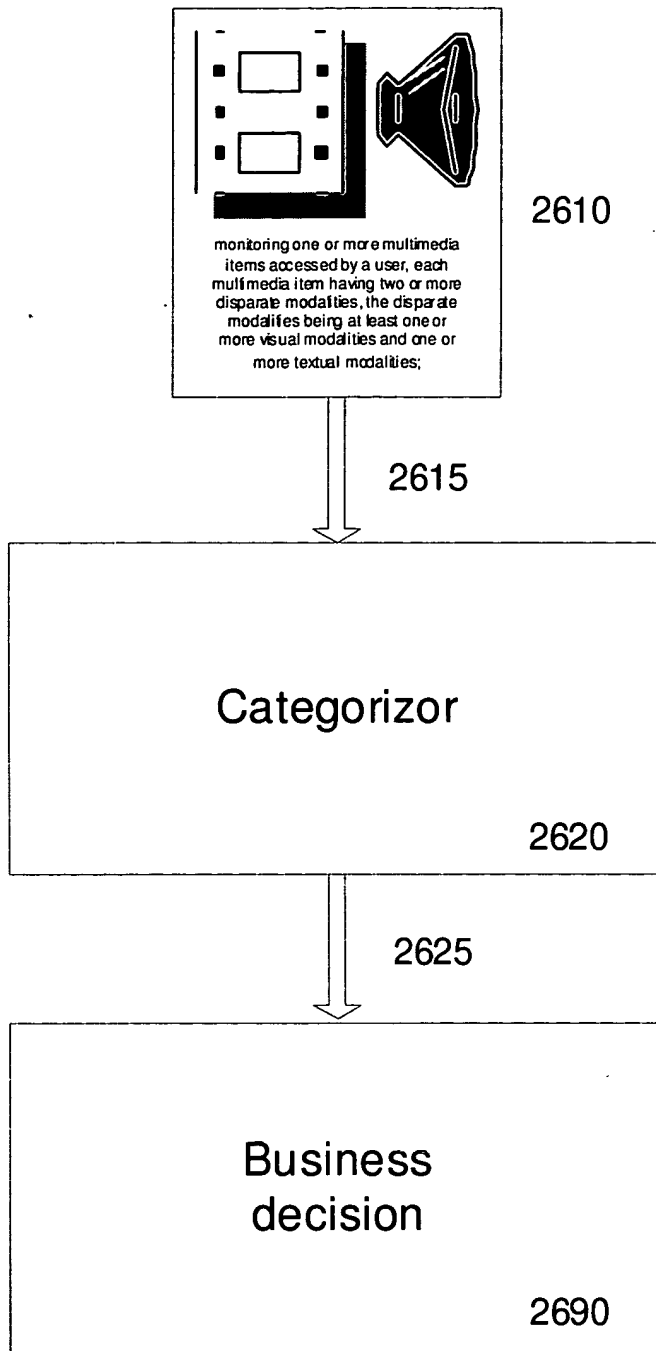


Figure 26



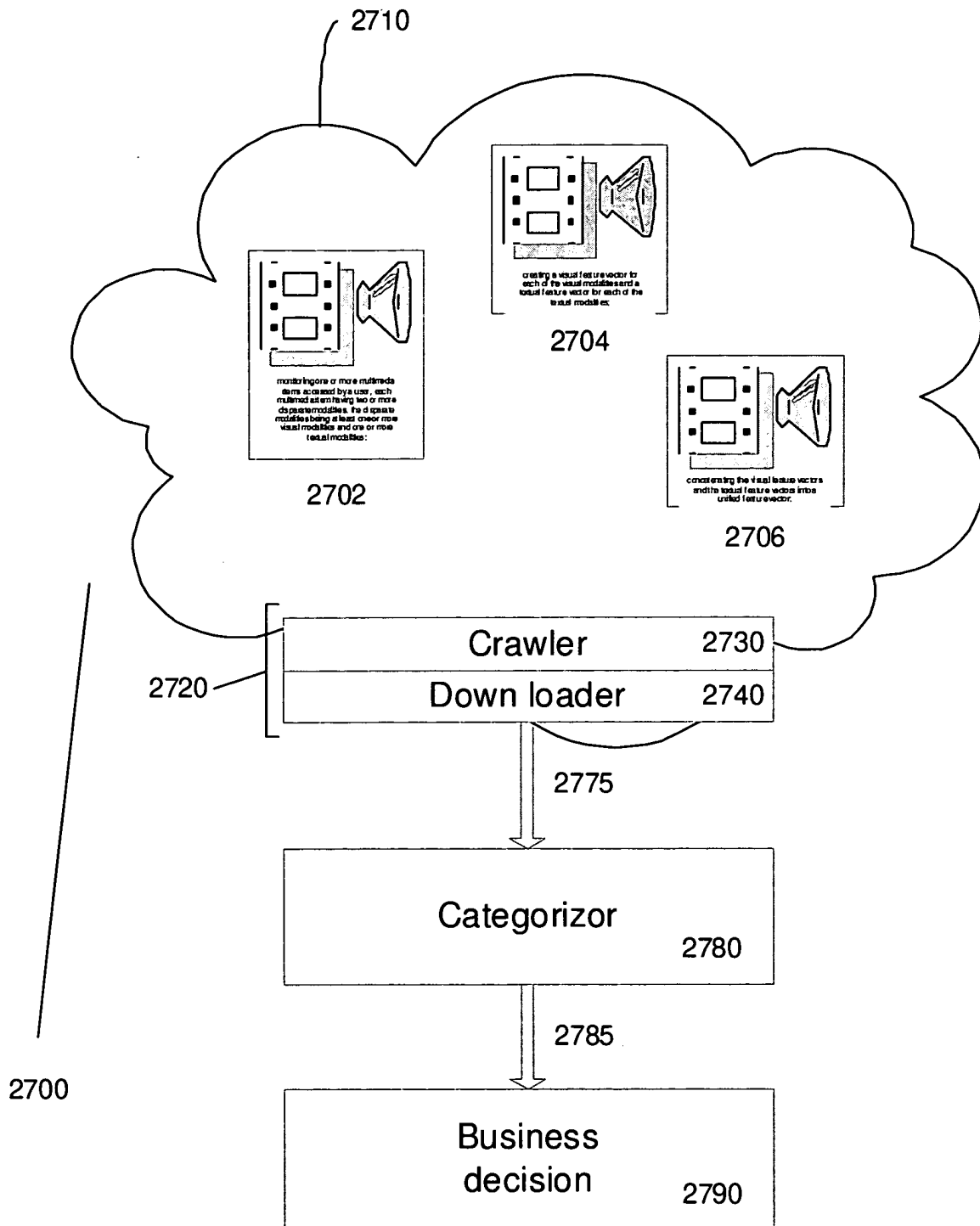


Figure 27